

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121719\
 Data File : VW014382.D
 Acq On : 17 Dec 2019 09:59
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Quant Time: Dec 18 01:22:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 17 15:04:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1094108	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	960186	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	466825	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	364582	22.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.04%
7) Chloroethane-d5	2.89	69	314593	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.16%
10) 1,1-Dichloroethene-d2	4.02	63	730282	24.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.84%
20) 2-Butanone-d5	7.07	46	227020	52.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.16%
24) Chloroform-d	7.65	84	745935	26.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.12%
26) 1,2-Dichloroethane-d4	8.30	65	382662	26.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.80%
29) Benzene-d6	8.27	84	1519241	27.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.00%
33) 1,2-Dichloropropane-d6	9.27	67	468534	27.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.24%
37) Toluene-d8	10.32	98	1357790	26.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.72%
38) trans-1,3-Dichloropropene-	10.57	79	184371	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.52%
39) 2-Hexanone-d5	10.92	63	170949	49.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	357799	25.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	441087	24.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	208736	20.059	ug/L 96
3) Chloromethane	2.21	50	253865	24.267	ug/L 100
5) Vinyl chloride	2.36	62	401286	25.907	ug/L 94
6) Bromomethane	2.78	94	232663	24.352	ug/L 100
8) Chloroethane	2.92	64	231226	26.130	ug/L 98
9) Trichlorofluoromethane	3.26	101	239080	31.179	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	366647	25.406	ug/L 94
12) 1,1-Dichloroethene	4.04	96	360776	24.693	ug/L 84
13) Acetone	4.11	43	221518	53.216	ug/L 98
14) Carbon disulfide	4.38	76	1065652	23.781	ug/L 100
15) Methyl Acetate	4.66	43	169949	21.585	ug/L 97
16) Methylene chloride	4.91	84	379001	22.597	ug/L 94
17) Methyl tert-butyl Ether	5.42	73	437600	22.712	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	375089	23.973	ug/L 91
19) 1,1-Dichloroethane	6.21	63	700711	24.926	ug/L 98
21) 2-Butanone	7.17	43	263520	47.153	ug/L 95
22) cis-1,2-Dichloroethene	7.16	96	400383	24.049	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	169865	22.181	ug/L #	81
25) Chloroform	7.67	83	668322	24.465	ug/L	100
27) 1,2-Dichloroethane	8.40	62	422124	23.598	ug/L	94
30) Cyclohexane	7.95	56	656580	27.396	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	528075	27.385	ug/L	97
32) Carbon tetrachloride	8.06	117	492951	26.942	ug/L	100
34) Benzene	8.32	78	1563391	25.715	ug/L	100
35) Trichloroethene	9.09	95	389063	25.011	ug/L	95
36) Methylcyclohexane	9.33	83	687642	26.307	ug/L	95
40) 1,2-Dichloropropane	9.37	63	389485	24.937	ug/L	99
41) Bromodichloromethane	9.64	83	465918	24.546	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	580343	24.811	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	460082	44.671	ug/L	98
44) Toluene	10.38	91	1642328	25.767	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	453800	23.967	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	264924	22.635	ug/L	96
47) Tetrachloroethene	10.86	164	323344	24.939	ug/L	97
49) 2-Hexanone	10.96	43	342939	46.769	ug/L	99
50) Dibromochloromethane	11.13	129	305875	23.285	ug/L	99
51) 1,2-Dibromoethane	11.23	107	245069	22.106	ug/L	100
52) Chlorobenzene	11.65	112	984391	23.896	ug/L	93
53) Ethylbenzene	11.73	91	1792516	25.918	ug/L	97
54) m,p-Xylene	11.83	106	671346	25.234	ug/L	95
55) o-xylene	12.16	106	636437	25.221	ug/L	98
56) Styrene	12.18	104	1072913	24.853	ug/L	96
57) Isopropylbenzene	12.46	105	1723240	26.304	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	314339	21.638	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	235065	21.777	ug/L	100
62) Bromoform	12.35	173	171742	21.676	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	751979	23.966	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	737660	23.139	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	681118	23.343	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	46490	20.654	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.63	180	548948	24.317	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	420609	23.900	ug/L	99
69) Naphthalene	15.36	128	720876	21.782	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	379823	23.015	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

